Microbac Laboratories, Inc.

Scranton Division

Laboratory ID: 1213978

Certificate of Analysis

Contact: Gene Nance

Project Name: TL01-11-12-001/EPA #EP-S3-10-04

Project / PO Number: 03049.0.001.084.01.RS.A3TA

Date Received: May 24, 2012 Time Received: 12:00 pm

Analytical Testing Parameters

2208 Warwood Ave.

Wheeling, WV 26003

Tech Law

Gene Nance

Client Sample ID:**FB23**Lab Sample ID:**1213978-01**

Collection Date: **5/23/2012**Collection Time: **1:25 pm**Collected By: Joel Munson

MICROBIOLOGY

Result		Units	PQL	Method	Prepared	Analyzed	Analyst
<1.0	CPA,A-	CFU/ml	1.0	SM 9215B	5/24/2012 1745	5/26/2012 1700	GLF
	03						
<1.0	CPA	CFU/100 ml	1.0	SM 9223B	5/24/2012 1900	5/25/2012 1910	JB
<1.0	CPA	CFU/100 ml	1.0	SM 9223B	5/24/2012 1900	5/25/2012 1910	JВ
	<1.0 <1.0	<1.0 CPA,A- 03 <1.0 CPA	<1.0 CPA,A- CFU/ml 03 <1.0 CPA CFU/100 ml	<1.0 CPA,A- CFU/ml 1.0 03 <1.0 CPA CFU/100 ml 1.0	<1.0 CPA,A- CFU/ml 1.0 SM 9215B 03 <1.0 CPA CFU/100 ml 1.0 SM 9223B	<1.0 CPA,A- CFU/ml 1.0 SM 9215B 5/24/2012 1745 03 <1.0 CPA CFU/100 ml 1.0 SM 9223B 5/24/2012 1900	<1.0 CPA,A- CFU/ml 1.0 SM 9215B 5/24/2012 1745 5/26/2012 1700 O3 <1.0 CPA CFU/100 ml 1.0 SM 9223B 5/24/2012 1900 5/25/2012 1910

Analytical Testing Parameters

Client Sample ID:**HW63**Lab Sample ID:**1213978-02**

Collection Date: **5/23/2012**Collection Time: **1:09 pm**Collected By: Mike Ferrier

MICROBIOLOGY

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Parameter Res		Result		PQL	Method	Prepared	Analyzed	Analyst	
Heterotrophic Plate Count	300	CPA,A- 03	CFU/ml	1.0	SM 9215B	5/24/2012 1745	5/26/2012 1700	GLF	
Total Coliform	<1.0	CPA	CFU/100 ml	1.0	SM 9223B	5/24/2012 1900	5/25/2012 1910	JB	
E. coli	<1.0	CPA	CFU/100 ml	1.0	SM 9223B	5/24/2012 1900	5/25/2012 1910	JB	

Analytical Testing Parameters

Client Sample ID:**HW63z**Lab Sample ID:**1213978-03**

Collection Date: **5/23/2012**Collection Time: **1:10 pm**Collected By: Mike Ferrier

MICROBIOLOGY

Parameter	Result		Units	PQL	Method	Prepared	Analyzed	Analyst
Heterotrophic Plate Count	410	CPA,A-	CFU/ml	1.0	SM 9215B	5/24/2012 1745	5/26/2012 1700	GLF
		03						
Total Coliform	<1.0	CPA	CFU/100 ml	1.0	SM 9223B	5/24/2012 1900	5/25/2012 1910	JB
E. coli	<1.0	CPA	CFU/100 ml	1.0	SM 9223B	5/24/2012 1900	5/25/2012 1910	JB

DIM0269820



Microbac Laboratories, Inc

Scranton Division

Laboratory ID: 1213978

DIM0269821

Certificate of Analysis

Definitions:

- CPA: Denotes results analyzed by Microbac Laboratories, Inc. Central Pennsylvania Division. NELAP accredited by the Pennsylvania DEP (22-00578).
- A-03: This sample was analyzed outside the EPA recommended holding time.

Report Comments:

The **PQL** is the **Practical Quantitation Limit**, which is defined as the lowest quantitation level of an analyte that can be readily achieved within the specified limits of precision and accuracy of an analytical method during routine laboratory operating conditions. The value may be raised depending on the characteristics or behavior of the target analyte.

All samples were analyzed "as received" from the client. Microbac Laboratories, Inc.- Scranton Division can only assume that all samples were collected and submitted by the CLIENT following the appropriate protocols set forth by the regulatory requirements. This document shall not be reproduced, except in full, without the written approval of Microbac Laboratories, Inc.- Scranton Division. If there are any technical questions pertaining to this laboratory report please contact a Client Services Coordinator or the Laboratory Director at (570) 348-0775.

Reviewed and Approved By:	Date Reviewed and Approved:
Ex. 4 - CBI	6/11/2012
Project Manager	
	Ex. 4 - CBI

Phone: 570-348-0775 Fax: 570-347-4139 DIM0269820



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USEPA CLP Generic COC (LAB COPY)

DateShipped: 5/24/2012

CarrierName: Courier for Northeastern

AirbillNo:

1213978

CHAIN OF CUSTODY RECORD

Case #: 11-12 Cooler #: 286

No: 3-052312-163438-0258

Lab: Northeastern Environmental Labs Lab Contact: Lab Phone: 570.348.0775

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
FB23	Aqueous/ Joel Munson	Grab	Bacteria(14)	23488 (Na2S2O3/ 125mlSterilePoly) (1)	FB23	05/23/2012 13:25	
HW63	Drinking Water/ Mike Ferrier	Grab	Bacteria(14)	23435 (Na2S2O3/ 125mlSterilePoly) (1)	HW63	05/23/2012 13:09	
HW63z	Drinking Water/ Mike Ferrier	Grab	Bacteria(14)	23461 (Na2S2O3/ 125mlSterilePoly) (1)	HW63	05/23/2012 13:10	

	Shipment for Case Complete? Y
Special Instructions:	Samples Transferred From Chain of Custody #
Analysis Key: Bacteria=17-Bacteria - Fecal & Total Coliform, HPC	

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time	
3	Mam	5/24/2							Dering Orchist	Sizeliz	12.00	001

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